

07
MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. $33^{\circ} 54' 22''$ N.

LONG. E. FROM GREENWICH $35^{\circ} 28' 10''$

DECEMBER, 1939

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DECEMBER 1939

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 760 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	64.5	62.5	62.8	63.3	20.1	14.5	16.6	18.8	17.6	17.7
2	2.9	2.5	2.7	2.7	19.0	14.0	16.6	18.6	17.2	17.5
3	4.9	4.7	4.9	4.8	21.2	14.8	19.3	19.6	18.9	19.3
4	5.1	2.9	3.2	3.7	20.5	14.8	18.2	19.4	15.9	17.8
5	4.1	3.1	3.3	3.5	21.5	11.5	18.9	20.6	18.1	19.2
6	63.4	63.8	65.2	64.1	22.5	16.7	19.7	21.9	18.8	20.1
7	6.7	5.4	5.7	5.9	20.8	15.4	18.6	19.9	18.3	18.9
8	4.1	1.2	1.5	2.3	21.2	14.9	16.9	20.5	18.3	18.6
9	1.8	1.0	0.9	1.2	21.5	15.4	17.7	20.6	18.0	18.8
10	2.2	3.4	3.5	3.0	19.2	13.6	18.3	14.4	11.9	14.9
11	63.7	62.8	63.2	63.2	18.2	13.0	15.8	16.3	14.9	15.7
12	3.6	3.5	4.2	3.8	16.3	12.3	14.3	15.5	14.8	14.9
13	4.3	3.1	4.0	3.8	17.5	12.3	15.6	17.2	15.3	16.0
14	4.7	2.8	5.1	4.2	17.0	14.0	15.0	15.0	14.9	15.0
15	7.0	6.4	7.2	6.9	19.2	13.6	16.1	18.6	15.9	16.8
16	69.2	68.6	69.1	69.0	18.3	12.1	13.9	18.0	16.1	16.0
17	9.4	8.2	8.4	8.7	18.8	14.0	16.2	18.4	16.1	16.9
18	7.6	7.3	6.9	7.3	18.5	14.5	16.2	15.2	14.4	14.3
19	5.4	4.1	4.2	4.6	18.7	12.5	15.0	17.6	15.2	15.9
20	4.4	3.2	2.5	3.3	16.5	12.5	15.8	15.8	16.1	15.9
21	64.0	61.3	60.8	62.0	18.8	11.5	14.1	18.4	16.3	16.3
22	59.3	57.9	58.1	58.4	18.0	12.0	15.9	17.2	15.0	16.2
23	61.8	62.7	65.8	63.4	15.9	11.0	14.7	13.4	12.8	13.6
24	8.3	7.7	8.5	8.2	15.3	9.1	12.4	14.4	11.1	12.6
25	8.9	7.1	7.9	8.0	15.4	9.7	13.3	14.6	12.7	13.5
26	68.3	67.0	67.4	67.6	17.0	10.0	13.3	16.3	13.8	14.5
27	6.3	5.3	5.4	5.7	18.0	12.5	15.2	17.4	14.7	15.8
28	4.5	2.5	2.6	3.2	20.5	13.0	15.6	20.2	15.6	17.1
29	3.8	2.2	2.4	2.8	20.8	15.0	18.0	19.4	16.5	18.0
30	0.0	59.6	59.5	9.7	23.8	15.0	20.2	20.0	19.4	19.9
31	1.5	61.8	61.9	1.7	20.0	14.8	18.3	18.1	16.7	17.7
	764.69	763.73	764.16	764.51	19.03	13.22	16.31	17.89	15.85	16.62

Barometer, range for month 757.9 mm.-769.4 mm.

„ 62-yr. average for month 763.25 mm.

Thermometer, range for month 9.1° C.-23 8° C.

„ 62-yr. average for month 15.91° C.

Rain, total for month 196.34 mm.

„ , 62-yr. average for month 185.94 mm.

„ , total, from Sept. 1st 385.83 mm.

62-yr. average, total from Sept. 1st 370.33 mm.

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METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	9.4	11.8	11.8	11.0	67	73	78	73	0.3	219.2	
2	11.9	11.4	12.0	11.8	85	72	82	80	5.3	228.6	13.7
3	11.5	11.9	11.9	11.8	70	70	73	71	3.6	190.0	3.8
4	10.3	13.1	10.5	11.3	65	78	79	74	1.7	160.3	
5	10.6	11.5	11.3	11.3	76	66	74	72	9.0	171.4	
6	12.7	14.7	13.2	13.5	75	75	82	77	6.4	150.5	
7	12.0	12.8	12.2	12.3	76	74	79	76	3.2	180.6	6.9
8	9.2	10.7	12.2	10.7	65	59	76	68	3.6	394.4	
9	10.1	11.6	12.7	11.5	67	64	82	71	8.6	490.0	
10	11.1	10.8	9.8	10.6	72	88	95	75	1.3	412.8	33.0
11	11.2	11.7	9.6	10.8	85	85	76	82	1.0	170.2	2.0
12	10.8	11.1	11.1	11.0	89	85	88	97	0.9	168.8	22.3
13	10.8	11.1	9.8	10.6	83	76	76	78	0.0	192.4	4.8
14	11.9	11.1	10.0	11.0	94	89	78	87	0.0	154.6	36.6
15	10.3	11.8	9.6	10.6	77	75	72	75	1.7	138.6	4.1
16	10.3	11.3	10.4	10.7	87	74	77	79	7.0	173.8	11.7
17	9.8	11.6	9.7	10.4	72	74	72	73	8.1	173.0	
18	9.7	12.6	9.8	11.0	71	98	80	83	2.0	351.5	11.4
19	10.1	10.9	8.9	10.0	80	72	70	74	6.5	378.0	2.0
20	7.0	3.4	6.4	7.3	52	63	47	54	9.0	343.0	
21	7.9	9.8	10.3	9.3	66	63	75	68	0.3	660.0	
22	10.5	11.2	11.1	10.9	78	77	89	81	0.0	568.0	24.4
23	8.0	9.2	11.2	9.1	64	80	93	79	1.5	292.0	16.5
24	7.6	7.6	6.0	7.1	71	62	61	65	8.5	151.4	
25	6.4	7.4	7.2	7.0	56	60	66	61	8.0	212.2	
26	8.6	8.7	7.7	8.3	75	63	66	63	0.0	320.0	2.5
27	8.7	8.3	7.6	8.2	68	56	61	65	1.3	190.8	
28	7.3	7.6	7.6	7.5	56	43	58	52	0.3	252.0	
29	10.6	10.5	8.3	9.8	69	62	60	64	5.0	186.8	
30	10.7	10.6	11.6	11.0	60	60	69	63	1.4	471.6	
31	6.2	12.2	12.4	10.3	39	80	88	69	0.1	450.0	0.5
	9.78	10.82	10.9	10.25	71.1	71.5	74.7	72.4	3.40	275.73	6.35

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

62-year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10cu	10cust	3cu	7.7	1s	0	2s	calm	
2	10ni	10ni	10ni	10.0	3s	2s	3s	slight	
3	8cu	9cu	0	6.3	1s	2s	1s	"	
4	8cust	10cu	0	6.0	0	2s	3s	"	
5	0	0	0	0.0	2ne	2n	2n	"	
6	2cu	9cust	2cu	4.3	2se	1se	0	slight	
7	1cu	10cu	10cu	7.0	1s	2sw	3w	"	
8	10cu	9cu	0	6.3	3se	5nw	1w	"	
9	0	0	3cu	1.0	3s	3s	3s	"	
10	8cu	10ni	10ni	9.3	4s	3s	3s	mod.	
11	10cust	10ni	3cu	7.7	1se	2w	0	slight	
12	10ni	10cu	4cu	8.0	1s	2w	2n	"	
13	9stci	10ni	10cu	9.7	2se	3s	2se	"	
14	10ni	9ni	1cu	6.7	2sw	2se	1se	"	
15	10cu	10cu	10ni	10.0	1s	2sw	2sw	mod.	
16	2cu	1cu	1cu	1.3	2s	1w	2w	slight	
17	2ci	3cu	8ci	4.3	2se	0	1n	calm	
18	10ni	10cu	1cu	7.0	2s	3se	3s	slight	
19	10ni	1cu	1cu	4.0	3se	1n	3n	mod.	
20	0	0	0	0.0	5n	2n	2n	slight	
21	6cui	9cu	10cu	8.3	3s	4s	4s	slight	
22	10ni	10cu	10ni	10.3	4s	4s	2s	rough	
23	10ni	10cu	3cu	7.6	2s	4n	3n	"	
24	2cu	1cu	0	1.0	1se	2n	2n	mod.	
25	0	1stcu	8cu	3.0	2se	1n	3n	slight	
26	10cu	10st	10cu	10.0	3s	4sw	2sw	slight	
27	10st	10cu	1cu	7.0	2se	2ne	2n	"	
28	10st	9cust	9cu	9.3	2se	2sw	2n	mod.	
29	7st	4st	5st	5.3	2se	3ne	1ne	"	
30	10cu	10cu	1cu	7.0	2s	4se	3se	slight	
31	5st	10cu	10ni	8.3	4s 68	4s 71	3s 66	"	
				6.24	2.2	2.4	2.1		

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	1	0	11	16	1	0	0	1	31
14:30	6	2	0	4	9	4	3	1	2	31
20:30	9	1	0	3	10	2	4	0	2	31
Totals	16	4	0	18	35	7	7	1	5	93

Number of days with rain 16, fog 0, thunderstorms 1, gale 1.

62-yr. average number of days with rain during month 13.4